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Attachment to

19 December 1967

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REFERENCE TO: Mission 1102-1, ERECTED PROBABLE MISSILE, LAUNCH COMPLEX "J"
TYURATAM MISSILE TEST CENTER, USSR

1. SIGNIFICANCE:
A LARGE PROBABLE MISSILE ERECTED ON PAD J1
IS OBSERVED FOR THE FIRST TIME.
2. LOCATION:
APPROXIMATELY 20 NM NORTH OF THE TYURATAM
MAIN SUPPORT BASE.
3. REMARKS:
LAUNCH AREA J1-J2, UNDER CONSTRUCTION SINCE
THE SUMMER OF 1964, CONTAINS 2 LARGE LAUNCH
PADS APPROXIMATELY 1,635 FT APART CENTER-TO-
CENTER. EACH PAD HAS A LARGE-DIAMETER APERTURE
AT ITS CENTER AND A 3-FLUME, "Y"-SHAPED BLAST
DEFLECTOR.

A SERVICE TOWER/ERECTOR APPROXIMATELY
445 FT IN HEIGHT IS LOCATED FORWARD OF PAD
J1, THE FURTHEST ADVANCED OF THE 2 PADS. THE
TOWER HAS A TRIANGULAR BASE AND PIVOTS ABOUT
A CYLINDRICAL STRUCTURE WITH THE 2 OUTER CORNERS
RIDING ON A TRACK PRESCRIBING AN ARC ABOUT
THE PIVOT POINT.

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downgrading and declassification

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4. COLLATERAL:

LAUNCH COMPLEX "J" IS OBVIOUSLY DESIGNED TO ASSEMBLE, CHECKOUT, AND LAUNCH A VERY LARGE SPACE VEHICLE. WHILE NOT YET COMPLETE, THE PHYSICAL SIZE AND NATURE OF FACILITIES CONNOTE THAT A SUBSTANTIAL LONG TERM COMMITMENT HAS BEEN MADE BY THE SOVIETS FOR FUTURE LARGE-SCALE SPACE MISSIONS, PERHAPS EXTENDING EVEN BEYOND THAT OF A MANNED LUNAR LANDING. WHILE IT APPEARS THAT ALL ELEMENTS OF COMPLEX "J" PROBABLY WILL NOT BE COMPLETE AND OPERATIONAL BEFORE LATE 1968, LAUNCH PAD J1 MAY BE ABLE TO SUPPORT LAUNCH OPERATIONS BY EARLY TO MID-1968. ANALYSIS OF LAUNCH PAD COMPONENTS ASSOCIATED WITH THE HANDLING AND DISPOSAL OF ENGINE EXHAUST PRODUCTS SUGGESTS A POTENTIAL OF FROM 12 TO 16 MILLION POUNDS OF LIFT-OFF THRUST FOR A VEHICLE USING EITHER OF THE 2 PADS.

"ASSESSMENT OF LAUNCH AND SUPPORT FACILITIES UNDER CONSTRUCTION AT TYURATAM COMPLEX J".)

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5. FIRST IDENTIFICATION: THIS MISSION (PROBABLE MISSILE).

6. NEGATION DATE:

7. SUBSEQUENT COVERAGE: NONE.

8. DIMENSIONS/
SPECIFICATIONS:

PAD SEPARATION -- 1,635 FT

HEIGHT OF SERVICE TOWER/

ERECTOR AT PAD J1 -- 445 FT (APPROX)

PROBABLE MISSILE --

HEIGHT: 320 FT (APPROX)

DIAMETER AT LOWEST

VISIBLE POINT:

9. MISSION READOUT: A LARGE PROBABLE MISSILE IS ERECTED ON PAD J1. THE SERVICE TOWER/ERECTOR HAS BEEN ROTATED FROM ITS PREVIOUS POSITION TO THE LAUNCH PAD WHERE THE VERTICAL SHAFT IS ALIGNED ADJACENT TO THE PROBABLE MISSILE ON ITS DOWNRANGE SIDE. THE TRANSPORTER/ERECTOR (PREVIOUSLY CALLED PROBABLE TRANSPORTER) IS ON THE LAUNCH PAD, STRADDLING THE SOUTHERN FLUME OF THE BLAST DEFLECTOR, WITH ITS TALLEST END ADJACENT TO THE UPRANGE SIDE OF THE PROBABLE MISSILE.

AN UNFAVORABLE SUN ANGLE AND SMALL SCALE PRECLUDE ACCURATE MENSURATION; HOWEVER, ON PRELIMINARY ANALYSIS USING PRELIMINARY EPHEMERAL DATA THE

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PROBABLE MISSILE APPEARS TO BE APPROXIMATELY 320 FT HIGH AND APPROXIMATELY

[REDACTED] AT ITS LOWEST VISIBLE POINT. THE BASE OF THE PROBABLE MISSILE IS OBSCURED BY THE TRANSPORTER/ERECTOR WHICH FURTHER LIMITS THE ABILITY TO OBTAIN MEANINGFUL DIMENSIONS. AN APPARENT FLARE IN THE DIAMETER APPROXIMATELY TWO-THIRDS OF THE TOTAL DISTANCE FROM THE BASE MAY RESULT FROM EITHER HALLATION IN THE BRIGHT SUNLIGHT OR PERHAPS THE IMAGE MAY HAVE CAUGHT A MATING OPERATION IN PROGRESS WHICH SHOWS THE TWO PORTIONS OF THE PROBABLE MISSILE NOT COMPLETELY ALIGNED.

ON THE J2 SIDE OF THE LAUNCH AREA, THE TWO LARGE LATTICE TOWERS ARE UNDER CONSTRUCTION ON THEIR PREVIOUSLY REPORTED BASES NORTH AND SOUTH OF THE PAD. THE SERVICE TOWER/ERECTOR STILL HAS NOT PROGRESSED ABOVE THE TRIANGULAR BASE ALTHOUGH THE CRANE BEING CONSTRUCTED ADJACENT TO IT HAS REACHED A HEIGHT OF APPROXIMATELY 330 FT.

A WALL HAS BEEN CONSTRUCTED ALONG THREE SIDES OF THE LARGE CONCRETE STRUCTURE LOCATED NEAR THE FORWARD FENCE LINE AT THE CENTER OF THE SITE.

[REDACTED]

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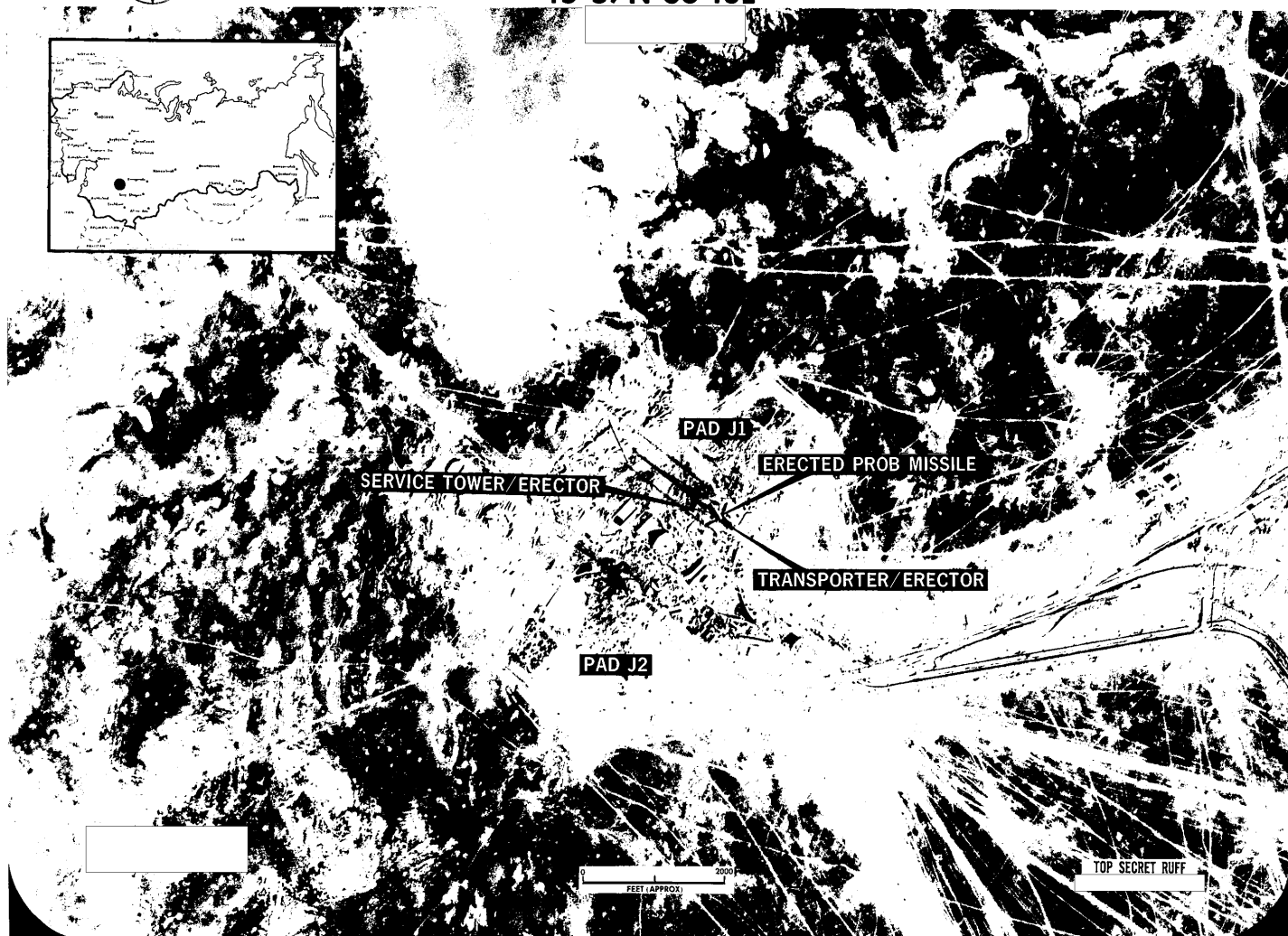
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ERECTED PROBABLE MISSILE, LAUNCH COMPLEX J
TYURATAM MISSILE TEST CENTER, USSR
45-57N 63-18E

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